AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An electromagnetic device used in a case containing oil, said electromagnetic device comprising:

an electromagnetic device body including a coil formed with a conductor wound around a bobbin and a cover member enclosing said coil; and

a cover molded around said electromagnetic device body with a molding pressure,

said cover member protecting said coil from said molding pressure when said cover is molded around said cover member;

wherein said bobbin is composed of a material having lubricating characteristics.

2. (canceled).

3. (canceled).

4. (canceled).

5. (canceled).

6. (canceled).

7. (canceled).

8. (previously presented): An electromagnetic device according to Claim 1, wherein the thickness of an outer coating of said conductor exceeds the size of a flash produced on said bobbin.

9. (previously presented): An electromagnetic device according to claim 1, wherein the electromagnetic device is a motor.

10. (previously presented): An electromagnetic device according to claim 1, wherein the electromagnetic device is a transmission control valve.

11. (previously presented): An electromagnetic device according to claim 1, wherein the electromagnetic device is used in a case containing oil.

12. (canceled).

13. (canceled).

14. (canceled).

15. (previously presented): An electromagnetic device according to claim 1, wherein a tip of a flash of the bobbin does not reach the conductor due to a thickness of said outer coating.

16. (previously presented): An electromagnetic device according to claim 1, further comprising:

a pair of coils opposing each other,

wherein said pair of coils are enclosed by the cover member.

17. (previously presented): An electromagnetic device according to claim 1, wherein said cover member is cylindrical in shape.

18. (currently amended): An electromagnetic device used in a case containing oil, said electromagnetic device comprising:

an electromagnetic device body including a coil formed with a conductor wound around a bobbin and a cover member enclosing said coil; and

a cover molded around said electromagnetic device body with a molding pressure,

wherein said cover member comprises a means for protecting said coil from being directly subjected to molding pressure when said cover is formed by injection molding, by covering said coil;

wherein said bobbin is composed of a material having lubricating characteristics.

19. (currently amended): An electromagnetic device used in a case containing oil, said electromagnetic device comprising:

an electromagnetic device body including a coil formed with a conductor wound around a bobbin and a cover member enclosing said coil; and

a cover molded around said electromagnetic device body with a molding pressure,

said cover member having a material strength sufficient to protect said coil from being directly subjected to said molding pressure when said cover is molded around the cover member;

wherein said bobbin is composed of a material having lubricating characteristics.

20. (new): An electromagnetic device according to claim 1, further comprising:

a conductor wound around said bobbin and coated with an outer coating,

wherein the thickness of said outer coating of said conductor exceeds the size of a flash produced on said bobbin;

wherein said outer coating comprises:

an insulating layer which is made of enamel formed over the conductor; and

a welding layer which is made of thermoset epoxy formed over the insulating layer.

21. (new): An electromagnetic device according to claim 20, further comprising:

a plurality of adjacent conductors, wherein said welding layer bonds said plurality of adjacent conductors to each other.